

# Inhalant Abuse Among Children and Adolescents: Consultation on Building an International Research Agenda

National Institute on Drug Abuse/Fogarty International Center

## AGENDA

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**Monday, November 7, 2005**

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- 9:00 a.m. Welcome and Introductions**  
Kathleen Michels, John E. Fogarty International Center  
Steven W. Gust, National Institute on Drug Abuse  
Sharon Hrynkow, John E. Fogarty International Center  
Timothy P. Condon, National Institute on Drug Abuse  
Laura E. Commanda, Institute of Aboriginal Peoples' Health, Canada  
José Ángel Prado García, Consejo Nacional Contra las Adicciones, Mexico
- 9:20 a.m. Objectives: Assessing the Problem, Setting the Agenda**  
Steven W. Gust, National Institute on Drug Abuse  
Kathleen Michels, John E. Fogarty International Center
- 9:30 a.m. Keynote Presentation:  
The Public Health Impact of Inhalant Abuse**  
Robert L. Balster, Virginia Commonwealth University
- 10:15 a.m. Break**
- 10:45 a.m. World Reports: Epidemiology of Inhalant Abuse  
Section I**  
MODERATORS/FACILITATORS:  
Wilson Compton, National Institute on Drug Abuse  
Laura E. Commanda, Institute of Aboriginal Peoples' Health, Canada  
  
PRESENTATIONS:  
**10:50 a.m. Epidemiology of Inhalant Abuse in Mexico:  
Impact on Public Health**  
María Elena Medina-Mora, Mexican Institute of Psychiatry  
  
**11:15 a.m. What the Data Tell Us about Solvent Abuse in Canada**  
Colleen Anne Dell, Canadian Centre on Substance Abuse  
  
**11:35 a.m. Epidemiology of Inhalant Use in the United States:  
Correlates and Consequences**  
Li-Tzy Wu, Duke University School of Medicine
- 12:15 p.m. Lunch**
- 1:30 p.m. Special Reading from "An Ex-Mas Feast" and Commentary**  
Uwem Akpan, University of Michigan

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2:00 p.m.

**World Reports: Epidemiology of Inhalant Abuse  
Section II**

MODERATORS/FACILITATORS:

Moirá O'Brien, National Institute on Drug Abuse

Lourdes Schnaas, Instituto Nacional de Perinatología, Mexico

PRESENTATIONS:

**2:05 p.m. Inhalant Abuse among Juvenile Delinquents in the United States**

Matthew O. Howard, University of Michigan

**2:35 p.m. Summary of Russian Regional Data on Inhalants**

Edwin Zvartau, Pavlov State Medical University

**3:05 p.m. Epidemiology of Inhalants in Peru**

Inés Verónica Bustamante, Universidad Peruana Cayetano Heredia

**3:35 p.m. Isolating Precursors from Consequences of Inhalant Use**

Diana Fishbein, Research Triangle Institute-International

4:00 p.m.

**Discussion of Knowledge Gaps and Research Needs**

5:00 p.m.

**Adjourn**

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**Tuesday, November 8, 2005**

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8:45 a.m.

**Welcome**

Steven W. Gust, National Institute on Drug Abuse

9:00 a.m.

**Impact of Inhalants on the Brain: Neuroscience and Clinical Research  
Section III**

MODERATORS/FACILITATORS:

David Shurtleff, National Institute on Drug Abuse

Richard Brière, Institute of Neurosciences, Mental Health and Addiction, Canada

PRESENTATIONS:

**9:10 a.m. Solvents and Ethanol: More Alike Than We Thought**

Silvia L. Cruz, Department of Pharmacobiology, Cinvestav

**9:40 a.m. Comparing Effects of Nitrous Oxide to Various Anesthetics and Alcohol**

Diana J. Walker, The University of Chicago

**10:05 a.m. Novel Cellular Targets for the Effects of Abused Solvents**

John J. Woodward, Medical University of South Carolina

**10:30 a.m. Break**

**10:50 a.m. Recent Imaging Approaches to Studying Pharmacokinetics of Solvents**  
Stephen L. Dewey, Brookhaven National Laboratory

**11:15 a.m. Early Research and New Opportunities for Neuroscience and Clinical Research at the Mexican National Institute on Psychiatry**  
Jorge González Olvera, Mexican Institute of Psychiatry

**11:45 am Discussion of Knowledge Gaps and Research Needs**

**12:15 p.m. Lunch**

**1:30 p.m. Impact of Inhalants on the Brain: Neuroscience and Clinical Research Section IV**

MODERATORS/FACILITATORS:

Charles Sharp, National Institute on Drug Abuse

Silvia L. Cruz, Department of Pharmacobiology, Cinvestav

PRESENTATIONS:

**1:35 p.m. Fetal and Neonatal Effects of Inhalant Abuse**  
Milton Tenenbein, University of Manitoba

**2:05 p.m. Animal Models for Assessing the Effects of Maternal Inhalant Abuse**  
Scott Earl Bowen, Wayne State University

**2:35 p.m. Break**

**3:00 p.m. Inhalant Abuse and Related Toxicity: The Philippine Experience**  
Irma Makalinao, University of the Philippines

**3:30 p.m. Pharmacologic Quagmire**  
Charles Sharp, National Institute on Drug Abuse

**4:00 p.m. Discussion of Knowledge Gaps and Research Needs**

**5:00 p.m. Adjourn**

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## **Wednesday, November 9, 2005**

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**8:45 a.m. Welcome**  
Patricia Needle, Consultant, National Institute on Drug Abuse

9:00 a.m.

**Inhalant Abuse: Interventions for Prevention and Treatment  
Section V**

**MODERATORS/FACILITATORS:**

Patricia Needle, Consultant, National Institute on Drug Abuse  
Colleen Anne Dell, Canadian Centre on Substance Abuse

**PRESENTATIONS:**

- 9:05 a.m. Issues on Developing Prevention Interventions**  
Harvey Weiss, National Inhalant Prevention Coalition
- 9:20 a.m. Issues on Developing Treatment Interventions**  
Debra Dell, Youth Solvent Addiction Committee
- 9:35 a.m. The Work of Friends International in Cambodia  
From Mainstream to Gateway: Inhalants among Cambodian  
Street Children**  
Sebastien Marot, Friends International
- 10:00 a.m. Inhalant Abuse by Street Children in Brazil:  
Causes and Consequences**  
Helena Maria Tannhauser Barros, Fundação Faculdade Federal  
de Ciências Médicas
- 10:25 a.m. Break**
- 10:45 a.m. Glues or Paint Thinner: Understanding the Nature and  
Extent of Inhalant Use in Turkey**  
Kültegin Ögel, Bakirkoy State Hospital
- 11:10 a.m. Lessons from the Validation of Multisystemic Therapy (MST)  
for Substance-Abusing Adolescents**  
Scott Henggeler, Medical University of South Carolina
- 11:35 a.m. Finding Answers from Within: Interventions with Aboriginal  
Young People and Their Families**  
Grant Charles, University of British Columbia
- 11:50 a.m. Impact of Inhalant Use in Venezuela**  
Elvia Amesty, José Félix Ribas Foundation

12:00 p.m.

**Discussion of Knowledge Gaps and Research Needs**

1:00 p.m.

**Lunch**

2:00 p.m.

**Reformulation of Products with Abuse Liability:  
Industry Responses to Research**

MODERATOR:

Robert L. Balster, Virginia Commonwealth University

PRESENTATIONS:

**2:10 p.m.**

**Abuse Liability**

Scott Earl Bowen, Wayne State University

**2:30 p.m.**

**Industry Response to Research**

Edwin Zvartau, Pavlov State Medical University

3:00 p.m.

**Research Funding Opportunities**

MODERATORS:

Steven W. Gust, National Institute on Drug Abuse

Kathleen Barros, John E. Fogarty International Center

PRESENTATIONS:

**3:00 p.m.**

**CANADA**

Richard Brière, Institute of Neurosciences, Mental Health and Addiction

**3:20 p.m.**

**UNITED STATES**

David Shurtleff, National Institute on Drug Abuse

**3:40 p.m.**

**MEXICO**

José Ángel Prado García, Consejo Nacional Contra las Adicciones

4:00 p.m.

**Closing Remarks and Summary**

Steven W. Gust, National Institute on Drug Abuse

Kathleen Michels, John E. Fogarty International Center

4:15 p.m.

**Adjourn**